
From: Patterson, Leslie
To: Madelyn.Adams@epa.ohio.gov; Renninger, Steven
CC: Joleen.Cook@epa.ohio.gov
Sent: 11/22/2016 7:27:09 PM
Subject: RE: Technical Report: GP-2 Methane Monitoring Summary and Assessment, South Dayton Dump and Landfill Site ~RPT-038443~
Attachments: 2015 Petroleum VI guidance.pdf

Thanks, Maddie. I can't remember if we discussed the 2015 petroleum VI guidance with BUSTR. It sounded like BUSTR dismissed methane as a breakdown product they should be looking at, perhaps out of familiarity with chlorinated solvent sites, when methane is a concern with petroleum releases. I attached it if you'd like to share it with them.

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From: Madelyn.Adams@epa.ohio.gov [mailto:Madelyn.Adams@epa.ohio.gov]
Sent: Tuesday, November 22, 2016 7:44 AM
To: Patterson, Leslie ; Renninger, Steven
Cc: Joleen.Cook@epa.ohio.gov
Subject: RE: Technical Report: GP-2 Methane Monitoring Summary and Assessment, South Dayton Dump and Landfill Site ~RPT-038443~

I don't have any comments on the methane demonstration on South Dayton Dump. They've cited a couple articles that discuss the generation of methane under anaerobic breakdown of BTEX compounds and ethanol. I reviewed the USEPA guidance and looked at some scholarly articles to confirm this.

They are proposing to stop semi-annual monitoring of the soil gas probes across the street. They will continue to sample the network at the landfill boundary on the west side of Dryden Road, but won't sample GP-2 or GP-5 across the street unless they detect methane in one of the landfill-side probes. I think that sounds reasonable, since they'll still be monitoring the actual landfill edge.

Joleen and I would have liked to see a summa canister sample at GP-23 as methane can be a carrier gas and we could have seen if there were the same gases at each location. But at this point, we don't see it is a necessary addition to the demonstration. The sample results from the summa canister at GP-02 have a lot of very high U and J flags. I'm not sure why that is, maybe the reporting limit was elevated for some reason.

We'll continue to work with BUSTR and DP&L to try and get more information, and potentially look into the possibility of a leaking gas line, since there were some propane-associated gases in the GP-02 sample.

Thanks for the opportunity to review this,

Maddie

From: Patterson, Leslie [mailto:patterson.leslie@epa.gov]
Sent: Thursday, October 27, 2016 4:20 PM
To: Renninger, Steven <renninger.steven@epa.gov>

Cc: Adams, Madelyn <Madelyn.Adams@epa.ohio.gov>

Subject: FW: Technical Report: GP-2 Methane Monitoring Summary and Assessment, South Dayton Dump and Landfill Site ~RPT-038443~

Steve, I took a look at Appendix E, and my only recommendation is to change the added language on page 2, the 2nd full paragraph, as follows (changes in bold):

Methane and other gases detected at GP-2 are **likely** not related to South Dayton Dump and Landfill Site. Accordingly, Respondents will cease routine methane monitoring at locations which exhibit contamination that is **interpreted** as not associated with the Site (i.e., GP-2) following USEPA approval of this Revision 1 to Addendum 2.

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From: Chan, Valerie [<mailto:Valerie.Chan@ghd.com>]

Sent: Monday, October 24, 2016 8:05 AM

To: Madelyn.Adams@epa.ohio.gov; Renninger, Steven <renninger.steven@epa.gov>; Patterson, Leslie <patterson.leslie@epa.gov>

Cc: Hayward, Julian <Julian.Hayward@ghd.com>; 'Ken Brown' <KBrown@ITW.com>; 'Heath, Bryan' <Bryan.Heath@NCR.COM>; Jim Campbell <jrc@e-emi.com>; 'Wendell Barner' <wendell.barner@gmail.com>; Project Email Filing <Filing-NA@ghd.com>

Subject: RE: Technical Report: GP-2 Methane Monitoring Summary and Assessment, South Dayton Dump and Landfill Site ~RPT-038443~

My apologies – we can discuss the document as early as Wednesday if suitable, or at a future date if desired. As always, feel free to contact us at any time with questions or comments.

Thank you,
Valerie

Valerie Chan, P.Eng.

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From: Madelyn.Adams@epa.ohio.gov [<mailto:Madelyn.Adams@epa.ohio.gov>]

Sent: Monday, October 24, 2016 8:52 AM

To: Chan, Valerie; 'Renninger, Steven'; 'Patterson, Leslie'

Cc: Hayward, Julian; 'Ken Brown'; 'Heath, Bryan'; Jim Campbell; 'Wendell Barner'; Project Email Filing

Subject: RE: Technical Report: GP-2 Methane Monitoring Summary and Assessment, South Dayton Dump and Landfill Site ~RPT-038443~

Ohio EPA will need more than two days to read through this document. We will participate in the call Wednesday but we probably won't have much meaningful input by that time.

Steve and Leslie – is there a review timeline that you have for this?

From: Chan, Valerie [<mailto:Valerie.Chan@ghd.com>]

Sent: Monday, October 24, 2016 8:38 AM

To: 'Renninger, Steven' <renninger.steven@epa.gov>; 'Patterson, Leslie' <patterson.leslie@epa.gov>

Cc: Adams, Madelyn <Madelyn.Adams@epa.ohio.gov>; Hayward, Julian <Julian.Hayward@ghd.com>; 'Ken Brown' <KBrown@ITW.com>; 'Heath, Bryan' <Bryan.Heath@NCR.COM>; Jim Campbell <jrc@e-emi.com>; 'Wendell Barner' <wendell.barner@gmail.com>; Project Email Filing <Filing-NA@ghd.com>

Subject: Technical Report: GP-2 Methane Monitoring Summary and Assessment, South Dayton Dump and Landfill Site ~RPT-038443~

Hello Steve and Leslie,

On behalf of the Respondents, please find attached a Technical Report presenting a summary and assessment of GP-2 methane.

We can discuss any questions or comments during the VI Conference call scheduled for Wednesday, October 26th at 1:30 PM ET / 12:30 PM CT.

Thank you,
Valerie

Valerie Chan, P.Eng.

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